

Attachment 1 – Authorization and Eligibility Requirements

Authorizing Documentation

The Upper Kings Basin Integrated Regional Water Management Authority adopted the required resolution for submittal of this IRWM Implementation Grant at a board meeting on February 14, 2013. A copy of the adopted resolution is included as **Attachment 1a**.

Eligible Applicant Documentation

The Upper Kings Basin IRWM Authority does have the legal authority to enter into a grant agreement with the State and has already entered into previous grant agreements with the State. The Upper Kings Basin Integrated Regional Water Management Authority (Authority) is the official name of the Joint Power Authority. The Authority has recently chosen to identify itself as the Kings Basin Water Authority in order to simplify the name recognition of the organization, but the official name of the Joint Power Authority will not be changed.

Is the applicant a local agency as defined in Appendix B of the 2012 Guidelines?

The applicant is the Upper Kings Basin Integrated Regional Water Management Authority (Authority). The Authority was formed by a Joint Powers Agreement on December 11, 2008 (attached as **Attachment 1b**). The Authority Statement of Facts was filed with the Secretary of State on August 12, 2010 (**Attachment 1c**). The Authority fits within the definition of a ‘Local Public Agency’ according to Appendix B of the Proposition 84 and Proposition 1E IRWMP Guidelines dated November 2012.

What is the statutory or other legal authority under which the applicant was formed and is authorized to operate?

The applicant was formed and is authorized to operate under a Joint Powers Agreement (**Attachment 1b**) on December 11, 2008. The applicant has successfully operated under this agreement since it was formed.

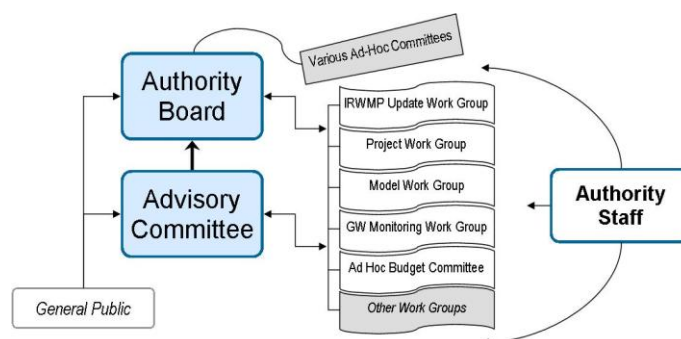
Does the applicant have legal authority to enter into a grant agreement with the State of California?

The Authority has the legal authority to enter into a grant agreement with the State of California. In fact, the Authority has already successfully entered other grant agreements with the State, including Proposition 50 IRWM Implementation Funding Round 2, Proposition 50 Supplemental IRWM Implementation, Proposition 84 IRWM Planning, and Proposition 84 IRWM Implementation Round 2 funding.

Describe any legal agreements among partner agencies and/or organizations that ensure performance of the Proposal and tracking of funds.

The Authority will be the contracting entity with the State. Similar to other recent grant awards to the region, the Authority will enter into a sub-agreement with each project proponent that receives funding. This agreement holds the project proponent to the same requirements of the State contract with the Authority. A copy of a similar sub-agreement from a recent grant award is attached as **Attachment 1d**. The Joint Powers Agreement (**Attachment 1b**) includes details on tracking of funds (Article IV: Financial Provisions). These agreements provide assurance of the proper performance of the projects proposed and tracking of funds. The Authority has worked closely and successfully completed many grant projects and studies with DWR in the past and has an excellent track record of ensuring that the projects proposed are brought to successful completion.

This is an appropriate place to describe the governance structure of the Authority. Unlike many other regions, the Upper Kings has formerly adopted a Joint Powers Agreement to establish a formal governance for administering the IRWMP. In forming the Upper Kings Basin IRWM Authority and in an effort to truly develop an integrated structure that includes all stakeholders, the region specifically developed a structure that allows for stakeholders of all types to be included in the region. This was sought to maintain the high degree of stakeholder involvement that was developed during the Water Forum that preceded the establishment of the Authority. The operation of the Authority requires funding of which the Authority's members contribute, but many of the stakeholders in the region cannot afford to contribute financially to the Authority, especially the DACs. To allow for their participation in the direction and decision making of the IRWM, the Authority was formed with the planned participation of "Interested Parties". As defined in Article 1f of the Joint Powers Agreement, Interested Parties are governed by the provisions of the Joint Powers Agreement, members of the Advisory Committee with direct input to the Board, and participants to the Authority and its activities. The Authority now includes 17 members and 37 Interested Parties. The organization structure of the Authority is shown below.



Upper Kings Basin IRWM Authority Organizational Chart

GWMP Compliance

Each project is covered by an appropriate Groundwater Management Plan (GWMP), and each proponent has adopted a GWMP that was prepared in compliance with the requirements of California Water Code (CWC) §10753.7. Table 13.2 on Page 13-3 of the IRWMP (**Attachment 1e**) includes a listing of the GWMPs within the entire region, including the date of the GWMP adopted by each of the project proponents included in this application.

Although not all of the projects are direct groundwater projects, each project will have an impact on groundwater. Projects A and B include groundwater recharge and will directly impact groundwater in the project area. Projects C, D and E will provide needed water conservation that will reduce the overall groundwater pumping by each of the project proponents as all three of these entities are dependent solely on groundwater for their supply. All of the projects are anticipated to have a positive impact on the groundwater level and groundwater quality conditions within the region. Table 1-1 lists each project, the GWMP covering the project area, when that GWMP was adopted and the affect on groundwater impact by the project.

Table 1-1 Adopted GWMPs					
No.	Project	Agency Implementing	GWMP	GWMP Status	Groundwater Impact
A	Southwest Groundwater Banking Project	Fresno Irrigation District	Member of the Fresno Area Regional GWMP (Attachment 1f)	Adopted by FID on 1/25/2006	Groundwater Recharge and Banking
B	Recharge Basin 11 Project	Laguna Irrigation District	KRCD Lower Kings Basin GWMP (Attachment 1g)	Adopted by Laguna ID on 1/8/2013	Groundwater Recharge
C	Water Supply Reliability and Conservation Project	Bakman Water Co.	Member of the Fresno Area Regional GWMP (Attachment 1f)	Adopted by Bakman on 3/13/2006	Groundwater Pumping Reduction and Water Quality Improvement
D	Water Supply Reliability and Conservation Project	City of San Joaquin	James Irrigation District and the City of San Joaquin GWMP (Attachment 1h)	Adopted on 10/13/2010 (Resolution 10-38 in Appendix A of the GWMP)	Groundwater Pumping Reduction
E	Residential Water Meter Project	City of Kerman	Member of the Fresno Area Regional GWMP (Attachment 1f)	Adopted by Kerman on 3/1/2006	Groundwater Pumping Reduction

Further, as a region, the Authority is currently working to be consistent with the recently legislated requirements of SB7x6 for groundwater measurement. Through the Authority, the region has prepared a Memorandum of Understanding between the various agencies with the region that have prepared a Groundwater Management Plan that will serve to address the new requirements. KRCD staff submitted and was accepted as the local agency for submitting data to meet the requirements of SBx7-6 and California State Groundwater Elevation Monitoring (CASGEM). Local agencies perform their own quality assurance of the groundwater level data collection, and KRCD staff performs quality assurance on the data provided by the local entities by comparing to previous data collected and nearby data from other sources.

Progress on Meeting Current IRWM Plan Standards

The Authority has prepared an adopted an IRWMP that meets the standards contained in Appendix C of the November 2012 Guidelines. All of the project proponents have also individually adopted the IRWMP. The IRWMP was actually prepared in accordance with the August 2010 Guidelines, and utilizing an IRWM Planning Grant from DWR, the Authority updated its 2007 IRWMP to address the 2010 Guidelines. In accordance with the planning grant requirements, the update was initiated in 2011 and the IRWMP was prepared in accordance with the requirements of CWC §10543, and adopted on October 17, 2012, within the planning grant required schedule. Shortly following its adoption in October 2012, a new version of the IRWM Guidelines was released by DWR in November 2012. Fortunately, the Authority had actively reviewed the draft July 2012 Draft Guidelines to ensure that the IRWMP would address the changes in the Guidelines. The Authority believes that the prepared and adopted IRWMP fully addresses the 2012 Guidelines.

The Authority has submitted the IRWMP to DWR for review; however it is the Authority's understanding DWR is not presently reviewing IRWMPs for compliance with the new guidelines. If upon review by DWR it is determined that the IRWMP does not sufficiently address a certain criteria of the 2012 Guidelines, the Authority will initiate revisions to the IRWMP as required, and in accordance with the requirements of CWC §10543 and the Authority process for updating the IRWMP. In accordance with the adopted IRWMP, the Authority will prepare an annual report that will include any revisions or updates to the plan that have been adopted by the Board. This annual report, and the incorporate IRWMP revisions or policy changes are adopted by the Board and become part of the governance of the Authority. The existing IRWMP calls for the IRWMP to be updated and adopted every five years. If for some reason this process of inclusion in an adopted annual report does not the requirements of DWR, the Authority will initiate an update and formal adoption to the IRWMP.

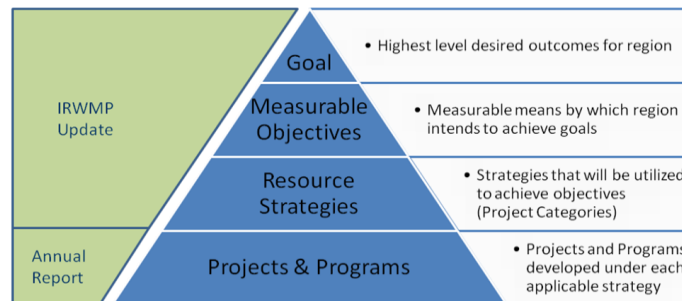
As noted above, the Authority has completed the preparation of IRWMP Update and adopted the IRWMP in accordance with the requirements of a Round 1 IRWM Planning Grant from DWR (Grant Agreement 4600009345). The work included in the work plan for the project has been completed ahead of schedule and under budget.

A response to questions listed in Table 1 from the PSP is included below. Since the Authority has adopted an IRWMP that complies with the Guidelines, a short summary response to the questions posed in Table 1 is provided, and reference is made to the adopted IRWMP, included as **Attachment 1e**, for a complete review of the IRWMP.

Table 1 Responses

Table 1-2 DWR Table 1 Responses	
Standard	Specific Standard Question and Response
Governance	<p>Will the governance structure need to be altered in the Updated IRWM Plan in order to ensure that balanced access and opportunity for participation in the IRWM effort is provided?</p> <p>The governance structure will not need to be altered. The Kings Basin Integrated Regional Water Management Plan (IRWMP) is a collaborative effort between 54 public, private and non-governmental agencies to manage water resources in the Kings Groundwater region (Kings Basin). The Authority is governed by a Joint Powers Agreement (JPA) made effective on March 1, 2009. The JPA formed a legal Authority that satisfies the definition of a Regional Water Management Group according to the California Water Code. Members must execute the JPA and pay an annual assessment. Interested parties can participate free of cost. The Authority is governed by a Board of Directors comprised of one representative from each Member agency. An Advisory Committee and numerous Work Groups provide advice to the Board of Directors and assist with IRWMP plan development, technical studies, project evaluation, and administrative efforts. All meetings are open to the public and the Kings IRWM has a long history of collaboration and active involvement from a wide range of agencies, non-profits, groups and individuals.</p> <p>The organizational structure provides balanced opportunities for stakeholder participation. The Governance Structure is more fully described in Section 2 of the IRWMP.</p>
Region Description	<p>Has the regional description changed significantly from the current IRWM Plan?</p> <p>The October 2012 adopted IRWMP includes a detailed Region Description as Section 3. There have been no modifications to the Region since the IRWMP's adoption.</p>
Objectives	<p>Will your objectives change from those in the current IRWM Plan? If so, how?</p> <p>There are no planned changes to the goals or objectives in the 2012 IRWMP as they were recently vetted through the IRWMP preparation and adoption process. The Authority developed regional Goals and Objectives to provide focus to their planning efforts. These Goals and Objectives consolidate urban, agricultural and environmental concerns. Goals are the highest level priorities, and objectives are more specific actions to meet the goals. The objectives can be accomplished through resource management</p>

strategies, projects and programs. The IRWMP includes a hierarchy pyramid to define the relationship between Goals, Measurable Objectives, Resource Management Strategies and Projects.



The process to identify Goals and Objectives considered those developed in the 2007 IRWMP, the IRWMP Guideline requirements, and changed conditions within the basin since the 2007 IRWMP was adopted. The Regional Goals include are included as Table 5-1 of the IRWMP, are described in greater detail in Section 5.3 of the IRWMP, and are shown below.

No.	Goal
RG1	Halt, and ultimately reverse, the current overdraft and provide for sustainable management of surface and groundwater
RG2	Increase the water supply reliability, enhance operational flexibility, and reduce system constraints
RG3	Improve and protect water quality
RG4	Provide additional flood protection
RG5	Protect and enhance aquatic ecosystems and wildlife habitat.

There are 15 Measurable Objectives in the IRWMP. They are listed and described in Section 5.2 of the IRWMP.

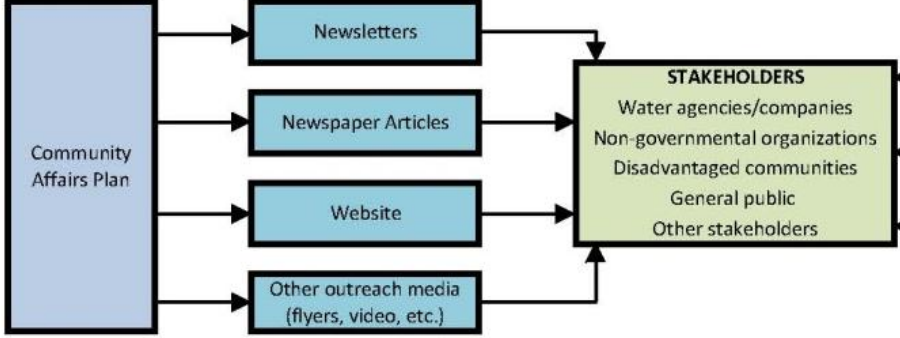
Resource Management Strategies

Will the Updated IRWM Plan consider the resource management strategies from the California Water Plan, Update 2009?

The current IRWMP evaluates all of the Resource Management Strategies from the 2009 Update of the California Water Plan. Table 6-1 on Page 6-2 of the IRWMP lists all 33 strategies listed in the 2009 California Water Plan Update, as well as 'Drought Planning', a strategy added by the Authority. Section 6.2 includes a detailed evaluation of each of the Resource Management Strategies. The evaluations include a description of each strategy, current use and applicability in the Kings Basin, and constraints to development. The Kings Basin actively uses 27 Resource Management Strategies and therefore maintains a diverse and comprehensive water management portfolio. High priority strategies include urban and agricultural water use efficiency, conjunctive use, recycled municipal water, and urban runoff management. For more information as to how the IRWMP addresses Resource Management Strategies, please refer to Section 6 of the IRWMP.

Integration	<p>Will the process used in the Updated IRWM Plan allow, encourage, and actively pursue integration in both the planning process and project formulation and implementation?</p> <p>The adopted IRWMP allows, encourages and actively pursues integration in the planning process, project formation and implementation. The planning process was open to all and actively involved stakeholders from all areas, included regular updates at Authority meetings, through email communication, and postings on the website. The process was open to public involvement and included a public comment period. Integration is defined as combining separate pieces into an efficient unified effort. The Coordination involves public outreach and facilitation efforts to bring stakeholders together and working as a unified group. These two IRWMP standards are closely related. The Authority's governance structure fosters integration and coordination through the organizational structure, opportunities for participation, and a public outreach program. The Authority has an integrated process to solicit and review projects and promotes multi-agency efforts. Data management is integrated through regional monitoring efforts, an annual Kings Basin report, and a regional hydrologic model. The Kings Basin also communicates regularly with neighboring IRWMP groups and State DWR staff.</p> <p>During Step 2 of the Project Identification Process identified in Section 7.1 of the IRWMP, as noted on page 7-3, "the Project Workgroup considers and recommends possible project integration, regional applications, multiple benefits, and other strategic project efforts that could benefit the IRWM Objectives."</p> <p>Section 16 of the adopted IRWMP covers Integration and Coordination efforts.</p>
Project Review Process	<p>Will the project review process consider climate change vulnerabilities and greenhouse gas emissions (for both construction and operation)?</p> <p>Project prioritization includes consideration of climate change vulnerabilities and greenhouse gas emissions. The project information request form that each project proponent fills out for project prioritization includes climate change vulnerabilities and greenhouse gas emissions considerations as shown in Step 2 of the Project Prioritization Process identified in Section 7.2.</p>
Technical Analysis	<p>Have any data gaps been identified and how will the Updated IRWM Plan help fill the gaps?</p> <p>Data Needs are discussed in the adopted IRWMP in Section 10.2. The Authority will continue to gather, collect and maintain data in formats that are easily compatible with other formats and usable within statewide systems. There are some additional data needs within the region, and the Authority will continue to work on methods to collect and maintain this data in an efficient and practical manner. These data needs include:</p> <ul style="list-style-type: none"> • Groundwater quality data collection within areas not served by a community water system remains a data gap within the region. • Groundwater pumping data for agricultural and rural usage • Priority project needs within Disadvantaged Communities
Relation to Local Water Use Planning	<p>Will changes to the existing IRWM Plan be needed in order to improve coordination with local water use planning efforts?</p>

	<p>No changes to the adopted IRWMP are anticipated. Local agencies have their own water planning documents that reflect their policies and goals. Local water plans include Urban Water Management Plans, Groundwater Management Plans, Water, Wastewater and Stormwater Master Plans, Water Conservation Plans, Agricultural Water Management Plans, and General Plans. Water plans from the Member and Interested Party agencies were reviewed and sections of the IRWMP were updated based on information, issues, and potential solutions provided in the plans. The local planning documents are often a reflection of the goals, objectives, and strategies of the IRWMP. The Authority is comprised of many local leaders, city council members, county supervisors and water agency directors, which serve as a link between the IRWMP and local water planning efforts. The Authority believes that regional efforts lead to more effective and better informed local efforts. Regional planning can serve as a basemap or guideline for the entire region to follow in local water resources planning. Section 13 of the adopted IRWMP address the IRWMP and the Authority's relation to local water planning.</p>
Relation to Local Land Use Planning	<p>Will changes to the existing IRWM Plan be needed in order to improve coordination with local land use planning efforts?</p> <p>No changes to the adopted IRWMP are anticipated. Section 14 of the IRWMP address the relation of the IRWMP and the Authority to local land use planning. Local cities and counties manage land use according to General Plans and Municipal Service reviews. These documents were reviewed for consistency with the IRWMP and to incorporate local planning elements. The IRWM process provides many opportunities to collaborate and integrate with local land planners both at the city and county levels. Many general plans discuss integrated land use and water supply planning. However, many land use documents provide few, if any, details on regional overdraft, groundwater management, new water supply development, and impact on irrigation facilities. The land-use planning documents also have few details on how they plan to reach their water management goals. Several key approaches were identified to strengthen cooperation and communication with land-use planners, including Measurable Objective to MO14 to "Involve local water districts and land use agencies in generating and confirming the current and future water needs to ensure compatibility and consistency with land use and water supply plans."</p>
Stakeholder Involvement	<p>Will changes or improvements to the stakeholder involvement process be needed to ensure effective stakeholder participation?</p> <p>No changes to the adopted IRWMP are anticipated. Section 15 of the adopted IRWMP is Stakeholder Involvement. The Authority includes a diverse group of members and interested parties, which is the result of on-going public outreach efforts since 2004. Outreach efforts are led by an Outreach Work Group and follow a Community Affairs Plan, which is a living document and remains the backbone of the public outreach effort. Outreach methods include the Authority website, newspaper articles, newsletters, e-mails, printed materials, speaker's bureau, Advisory Committee, Work Groups, and Board of Directors meetings. Stakeholder involvement is considered fundamental to the success of the IRWMP, and outreach efforts will continue to educate current participants and seek new members and interested parties.</p>

	 <p>The diagram illustrates the Stakeholder Involvement Process. On the left, a blue box labeled 'Community Affairs Plan' has four arrows pointing to four light blue boxes: 'Newsletters', 'Newspaper Articles', 'Website', and 'Other outreach media (flyers, video, etc.)'. Each of these four boxes has an arrow pointing to a green box on the right labeled 'STAKEHOLDERS'. The 'STAKEHOLDERS' box lists: 'Water agencies/companies', 'Non-governmental organizations', 'Disadvantaged communities', 'General public', and 'Other stakeholders'. There are also three arrows pointing from the 'STAKEHOLDERS' box back to the left, indicating a feedback loop.</p> <p style="text-align: center;">Stakeholder Involvement Process</p>
Coordination	<p>Has the RWMG identified a need for changes/improvements to the ongoing coordination efforts?</p> <p>No changes to the adopted IRWMP are anticipated. Section 16 describes the Coordination within the region, and with neighboring regions. The Authority and its stakeholders recognizes that continued effort and improvement with coordination is always needed, and have included two Measurable Objectives to continue to improve:</p> <ul style="list-style-type: none"> • MO8 is to Encourage Best Management Practices, policies & education that protect water quality. • MO13 is to Increase public awareness of IRWM Efforts
Climate Change	<p>Will the Updated IRWM Plan contain:</p> <ul style="list-style-type: none"> • A climate change vulnerability assessment of the IRWM region that is at least equivalent to the qualitative check list assessment in the Climate Change Handbook for Regional Water Planning (Handbook)? • A list of prioritized vulnerabilities derived from the vulnerability assessment and the IRWM's decision making process? • A plan, program, or methodology for further data gathering/analyzing of the prioritized vulnerabilities? <p>Section 17 of the IRWMP is Climate Change. The adopted IRWMP includes all of the items listed above.</p> <ul style="list-style-type: none"> • A climate change vulnerability assessment that was performed using the Vulnerability Assessment Checklist found in the Climate Change Handbook for Regional Water Planning is included in the IRWMP as Section 17.4. • A list of prioritized vulnerabilities derived from the assessment is included in the "Conclusions from Vulnerability Assessment" section of the IRWMP that starts on page 17-11. The IRWMP addresses the primary strategies related to addressing climate change on Page 17-16, referring to the Resource Management Strategies. Decision Making is described in Section 15.5 of the IRWMP. All decisions by the Authority are subject to the Authority's governance structure and decision making process, described in Section 2 of the IRWMP. • A Climate Change Monitoring plan is included in Section 17.7 of the IRWMP. Mitigation for GHG is discussed in Section 17.8 of the IRWMP. Plan Performance and Monitoring is included in Section 9, and Data Management is included in Section 10 of the IRWMP.

Consistency with an adopted IRWM Plan

All of the projects listed in this proposal are included in the most recent project list (**Attachment 1i**) adopted by the Authority Board on October 17, 2012. The Project Review Process identified in Section 7.1 of the adopted IRWMP (**Attachment 1e**) was followed to develop the IRWM project list. As noted on Page 7-1 of the adopted IRWMP, “Because of the continual efforts by Members and Interested Parties to develop new projects and further refine existing projects, new and revised projects are considered and approved by the Board on a quarterly basis and the Board includes the project list in its Annual Report.” The adopted project list (**Attachment 1i**) is not ranked. A copy of the minutes from the Board Meeting at which the project list was adopted is included as **Attachment 1j**. Table 1-3 identifies the location of the projects proposed in this application on the project list.

Table 1-3 Project List			
No.	Project	Agency Implementing	Number on Oct 2012 Project List (not ranked)
A	Southwest Groundwater Banking Project	Fresno Irrigation District	66
B	Recharge Basin 11 Project	Laguna Irrigation District	118
C	Water Supply Reliability and Conservation Project	Bakman Water Co.	1
D	Water Supply Reliability and Conservation Project	City of San Joaquin	29
E	Residential Water Meter Project – Phase III	City of Kerman	26

To identify the projects to be included in this application, the Authority followed the process identified in Section 7.2 of the adopted IRWMP (**Attachment 1e**). Each of the projects is consistent with the adopted IRWMP, and addresses several of the Goals and Measurable Objectives of the Authority’s IRWMP utilizing multiple Resource Management Strategies.

Table 1-4 identifies which of the Regional Goals of the adopted IRWMP that each project is consistent with.

Table 1-4 Regional Goals						
No.	Proponent - Project	RG 1 - Halt, and ultimately reverse, the current overdraft and provide for sustainable management of surface and groundwater	RG 2 - Increase the water supply reliability, enhance operational flexibility, and reduce system constraints	RG 3 - Improve and protect water quality	RG 4 - Provide additional flood protection	RG 5 - Protect and enhance aquatic ecosystems and wildlife habitat.
A	FID - Southwest Groundwater Banking Project	P	S	S	S	S
B	Laguna ID - Recharge Basin 11 Project	P	S	S	S	S
C	Bakman Water Co. - Water Supply Reliability and Conservation Project	P	S	S		
D	City of San Joaquin - Water Supply Reliability and Conservation Project	P	S	S		
E	City of Kerman - Residential Water Meter Project	P	S	S		
P = Primary. The Primary Regional Goal of the Adopted IRWMP that the project addresses. S = Secondary. All of the Secondary Regional Goals of the Adopted IRWMP that the project addresses.						

Table 1-5 identifies the primary and secondary Measurable Objectives of the adopted IRWMP that each project will address.

Table 1-5 Measurable Objectives																
No.	Proponent - Project	MO 1 - Increase amount of groundwater in storage with intent to eliminate the groundwater overdraft in 20 years	MO2 - Identify opportunities and Projects	MO3 - Identify DAC priority needs and promote/support solutions to DAC water issues	MO4 - Increase average annual supply and reduce demand	MO5 - Increase dry year supply	MO6 - Increase regional conveyance capacity	MO7 - Compile baseline water quality data for ground & surface water	MO8 - Encourage Best Management Practices, policies & education that protect water quality	MO9 - Identify sources of water quality problems & promote/support solutions to improve water quality	MO10 - Increase surface storage	MO11 - Sustain the Kings River Fisheries Management Program	MO12 - Pursue opportunities to incorporate habitat benefits into projects	MO13 - Increase public awareness of IRWM Efforts	MO14 - Involve local water districts and land use agencies in generating and confirming the current and future water needs to ensure compatibility and consistency with land use and water supply plans.	MO15 - Comply with SBx7-7
A	FID - Southwest Groundwater Banking Project	P	S		S	S	S	S			S	S	S	S		
B	Laguna ID - Recharge Basin 11 Project	P	S	S	S	S	S				S		S	S		
C	Bakman Water Co. - Water Supply Reliability and Conservation Project	P	S	S	S	S		S	S	S				S		S
D	City of San Joaquin - Water Supply Reliability and Conservation Project	P	S	S	S	S		S	S	S				S		S
E	City of Kerman - Residential Water Meter Project	S	S		S	S			S					S		S
P = Primary. The Primary Regional Goal of the Adopted IRWMP that the project addresses. S = Secondary. All of the Secondary Regional Goals of the Adopted IRWMP that the project addresses.																

The Kings Basin actively uses 27 of the 33 Resource Management Strategies from the 2009 California Water Plan Update. Table 1-6 identifies the Resource Management Strategies that apply to each project in this application.

Table 1-6 Resource Management Strategies							
Category	Strategy	Applicable to Region	Project/Proponent				
			A FID	B LID	C Bakman	D San Joaquin	E Kerman
Reduce water demand	Agricultural water use efficiency	X	X				
	Urban water use efficiency	X			X	X	X
Improve operational efficiency and transfers	Conveyance - Delta						
	Conveyance - regional/local	X	X	X			
	System reoperation					X	
	Water transfers	X	X				
Increase water supply	Conjunctive management and groundwater storage	X	X	X			
	Desalination						
	Precipitation enhancement	X					
	Recycled municipal water	X					
	Surface storage - CALFED						
	Surface storage - regional/local	X	X	X			
Improve water quality	Drinking water treatment and distribution	X			X	X	
	Groundwater remediation/Aquifer remediation	X			X		
	Matching quality to use	X			X		
	Pollution prevention	X					
	Salt and salinity management	X					
	Urban runoff management	X					
Improve flood management	Flood risk management	X	X	X			
Practice resource stewardship	Agricultural lands stewardship	X					
	Economic incentives (loans, grants & water pricing)	X			X	X	X
	Ecosystem restoration	X	X				
	Forest management	X					
	Land use planning and management	X					
	Recharge area protection	X	X				
	Water-dependent recreation	X					
	Watershed management	X					
Other strategies	Crop idling for water transfers	X					
	Dewvaporation or atmospheric pressure desalination						
	Fog collection						
	Irrigated land retirement	X					
	Rainfed agriculture	X					
	Waterbag transport/storage technology						
	Drought planning	X	X	X	X	X	X